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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Not for submission under 37 CFR 1.99)</i>	Application Number		10766761
	Filing Date		2004-01-28
	First Named Inventor		Craig Hampel
	Art Unit		2611
	Examiner Name		T. M. Wang
	Attorney Docket Number		RBUS 1309-1US

U.S.PATENTS						
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
/TW/	1	5541967		1996-07-30	Gluska et al.	
/TW/	2	6691214		2004-02-10	Li et al.	
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/TW/	1	20020066001		2002-05-30	Olarig et al.	
/TW/	2	20020184461		2002-12-05	Zumkehr	
/TW/	3	20030065465		2003-04-03	Johnson et al.	

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/TW/	1	Supplementary EP Search Report for EP Patent Application 05711891.1-2415 mailed on 2007-12-18.	<input type="checkbox"/>

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Substitute for form 1449B/PTO				Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/766,761
(use as many sheets as necessary)				Filing Date	28 January 2004
				First Named Inventor	Craig E. Hampel
				Group Art Unit	2637
				Examiner Name	Jayanti K. Patel
Sheet	2	of	2	Attorney Docket Number	RBUS 1309-1

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	101766,761
				Filing Date	28 January 2004 (Herewith)
				First Named Inventor	Craig E. Hampel
				Group Art Unit	
				Examiner Name	
Sheet	1	of	4	Attorney Docket Number	RBUS 1309-1

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Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
/TW/	A1	4,384,354		Crawford et al.	05/17/1983
/TW/	A2	5,122,978		Merrill	06/16/1992
/TW/	A3	5,436,908		Fluker et al.	07/25/1995
/TW/	A4	5,859,881		Ferraiolo et al.	01/12/1999
/TW/	A5	6,047,346		Lau et al.	04/04/2000
/TW/	A6	6,219,384		Kliza et al.	04/17/2001
/TW/	A7	6,282,210		Rapport et al.	08/28/2001
/TW/	A8	6,359,931		Perino et al.	03/19/2002
/TW/	A9	6,396,329		Zerbe	05/28/2002
/TW/	A10	6,442,644		Gustavson et al.	08/27/2002
/TW/	A11	6,448,815		Talbot et al.	09/10/2002
/TW/	A12	6,463,392		Nygaard et al.	10/08/2002
/TW/	A13	6,469,555		Lau et al.	10/22/2002
/TW/	A14	6,473,439		Zerbe et al.	10/29/2002
/TW/	A15	6,510,503		Gillingham et al.	01/21/2003
/TW/	A16	6,539,072		Donnelly et al.	03/25/2003
/TW/	A17	6,556,934		Higashide	04/29/2003
/TW/	A18	6,643,787		Zerbe et al.	11/04/2003
/TW/	A19	2003/0026399		Carlson	02/06/2003

FOREIGN PATENT DOCUMENTS					
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	B3				
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	101766,761
(use as many sheets as necessary)				Filing Date	28 January 2004 (Herewith)
				First Named Inventor	Craig E. Hampel
				Group Art Unit	
				Examiner Name	
Sheet	2	of	4	Attorney Docket Number	RBUS 1309-1

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		Office ³	Number ⁴	Kind Code ⁵ (If known)				
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Application Number	101766,761	
(use as many sheets as necessary)			Filing Date	28 January 2004 (Herewith)	
			First Named Inventor	Craig E. Hampel	
			Group Art Unit		
			Examiner Name		
Sheet	3	of	4	Attorney Docket Number	RBUS 1309-1

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/TW/	C1	PARIS, LLUIS ET AL, "WP 24.3 A 800MB/s 72Mb SDRAM with Digitally-Calibrated DLL," IEEE International Solid-State Circuits Conference (1999), 13 pages.			
/TW/	C2	NAKASE, YASUNOBU ET AL, "Source-Synchronization and Timing Vernier Techniques for 1.2-GB/s SDRAM Interface," IEEE Journal of Solid-State Circuits, Vol. 34, No. 4 (Apr. 1999), 494-501.			
/TW/	C3	GILLINGHAM, PETER, "SLDRAM Architectural and Functional Overview," SDRAM Consortium (29 Aug 1997), 1-14.			
/TW/	C4	"Draft Standard for a High-Speed Memory Interface (SyncLink)", Draft 0.99 IEEE P1596.7-199X (1996), 56 pages			
/TW/	C5	GILLINGHAM, PETER, "SLDRAM: High-Performance, Open-Standard Memory," IEEE (1997), 29-39			
/TW/	C6	SLDRAM Inc., "400 Mb/s/pin SDRAM," Draft Advance (9 Jul 1998), 1-69.			
/TW/	C7	ZERBE, JARED ET AL., U.S. Patent Application No. 09/776,550 filed 2 February 2001, entitled "Method and Apparatus for Evaluating and Calibrating a Signaling System."			
/TW/	C8	ZERBE, JARED ET AL, U.S. Patent Application No. 09/976,170 filed 21 October 2001, entitled "Method and Apparatus for Evaluating and Optimizing a Signaling System."			
/TW/	C9	RAMBUS "Direct Rambus Short Channel Layout Guide, Version 0.95" (August 2001), 40 pages			
/TW/	C10	RAMBUS "Direct Rambus Long Channel Design Guide" (2000), 45 pages			
/TW/	C11	RAMBUS, INC. "RDRAM Direct Rambus Clock Generator" (April 2002), 22 pages			

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Sheet	4	of	4		

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/TW/	C12	RDRAM® Overview, "High Performance Memory Interface Solution", Copyright 2003 Rambus, Inc., all rights reserved, 4 pages	
/TW/	C13	REDWOOD TECHNOLOGY BRIEF "High Performance Parallel Bus Interface Technology", Copyright 2003 Rambus, Inc., all rights reserved, 2 pages.	
/TW/	C14	LEWIS, DAVE, "Easy-to-Use LVDS Serdes for the Serdes Neophyte" National Semiconductor, (16 June 2003), pp. 1-5.	
/TW/	C15	INTEL "How to Measure RDRAM® System Clock Jitter" Application Note AP-667 (June 1999), pp. 1-15	

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